



Water-Data Report 2008

01390700 HOHOKUS BROOK AT WYCKOFF, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°01'25", long 74°10'04" referenced to North American Datum of 1983, Wyckoff Township, Bergen County, NJ, Hydrologic Unit 02030103, at bridge on Wyckoff Avenue, 1.0 mi north of Wyckoff, 1.2 mi upstream from Valentine Brook, and 2.5 mi south of Ramsey.

DRAINAGE AREA.--5.31 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1963-67, 2002. Miscellaneous measurements, water year 2007-08.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft ³ /s
Oct 9, 2007	2.98
Feb 19, 2008	28.0
Apr 1, 2008	17.8
Apr 28, 2008	11.1
Jun 25, 2008	5.83
Jul 16, 2008	4.17
Jul 24, 2008	54.1
Aug 5, 2008	4.46
Aug 21, 2008	3.99
Sep 7, 2008	65.0
Sep 18, 2008	5.05

01390700 HOHOKUS BROOK AT WYCKOFF, NJ—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1963, 1965, 2007-08.

PERIOD OF DAILY RECORD.--July 2008.

REMARKS.--The accuracy of continuous water-quality data is routinely verified through inspections for fouling and calibration drift. The New Jersey Water Science Center requires that either constant or prorated adjustments be made to the continuous water-quality record when the difference between a sensor's response and a known value exceeds the following criteria: Water Temperature, 0.2 degrees Celsius (+ or -); Specific Conductance, the greater of 5 microsiemens/cm (+ or -) or 3% of the measured value; Dissolved Oxygen, the greater of 0.3 mg/L (+ or -) or 5% of the measured value; pH, 0.3 units (+ or -). If the difference between a sensor's response and a known value is within specified criteria, the data are considered to be reliable and are not adjusted. Data from the following period(s) were adjusted - SPECIFIC CONDUCTANCE: Jul 9-14.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Turbidity white light, det ang 90+/-30 corrctd ft3/s (00061)	NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of sat- uration (00301)	pH, water, unfiltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, wat unf deg C (00020)	Temper- ature, air, deg C (00010)	ANC, wat unf fixed pt, lab, mg/L as CaCO3 (90410)	Residue on evap. at 180degC wat flt mg/L (70300)
Oct												
09...	1400	3.0	2.8	750	10.3	116	7.9	785	18.0	21.1	150	138
Feb												
19...	0940	28	5.5	749	12.6	97	7.4	619	2.5	4.0	69	143
Apr												
01...	0945	18	3.8	751	12.1	105	7.7	690	21.0	8.9	116	136
28...	1020	11	4.2	749	9.4	91	7.8	690	--	13.6	128	134
Jun												
25...	0950	5.8	2.1	759	9.4	106	8.0	674	28.0	21.3	121	126
Jul												
16...	1010	4.2	1.6	760	7.9	93	7.9	704	31.0	23.3	121	134
24...	0940	54	6.7	750	7.5	92	7.8	568	21.0	22.6	95	105
Aug												
05...	1340	4.5	2.4	765	7.1	93	7.8	643	28.0	24.4	112	115
21...	0910	4.0	9.6	765	--	--	7.5	617	22.0	20.0	128	114
Sep												
07...	0930	65	9.7	751	8.3	96	7.7	394	21.0	22.2	62	70.5
18...	1000	5.0	2.3	757	7.7	81	7.6	575	21.0	18.0	114	94.7

01390700 HOHOKUS BROOK AT WYCKOFF, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 2 of 2
 [Remark codes: <, less than; E, estimated.]

Date	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L (00625)	Ammonia + nitrite water, filtrd, mg/L (00608)	Nitrate + nitrate water filtrd, mg/L (00631)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, filtrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro- phyll a phyto- plank- ton, fluoro, μg/L (70953)	Pheo- phytin a, phyto- plank- ton, μg/L (62360)	Boron, water, unfltrd recover- able, μg/L (01022)	Iron, water, unfltrd recover- able, μg/L (01045)
Oct												
09...	7	.44	E.019	.94	1.4	.011	.033	3.4	18.8	11.0	56	102
Feb												
19...	2	.43	.020	1.16	1.6	.02	.05	5.9	7.0	3.0	30	346
Apr												
01...	3	.44	.047	1.68	2.1	E.008	.02	4.4	9.1	5.7	49	271
28...	11	.70	.051	1.04	1.7	<.02	.05	5.6	8.5	8.0	58	388
Jun												
25...	1	.41	.045	.65	1.1	.03	.05	4.5	1.9	2.4	57	211
Jul												
16...	2	.35	.041	.46	.80	E.01	.03	4.5	2.1	2.6	62	119
24...	8	.57	.076	.47	1.0	E.02	.07	6.6	13.3	9.1	48	393
Aug												
05...	2	.45	.027	.44	.89	.03	.04	4.4	4.2	3.9	47	128
21...	28	.63	.077	.56	1.2	.03	.09	5.3	5.3	12.3	56	763
Sep												
07...	27	.65	.077	.43	1.1	.03	.10	7.6	6.6	4.8	43	414
18...	7	.64	.071	.83	1.5	.03	.06	5.1	11.2	6.2	42	175

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 [Remark codes: <, less than.]

Date	Time	Phos- phorus, bed sedimnt total, mg/kg as P (00668)	Total carbon, bed sed <2 mm, wsv nat field g/kg (49272)	Inorg. carbon, bed sed <2 mm, wsv nat field g/kg (49270)	Organic carbon, bed sed <2 mm, wsv nat field g/kg (49271)
Sep					
23...	1000	170	3.0	<.2	2.8
25...	1030	230	1.7	<.2	1.7

01390700 HOHOKUS BROOK AT WYCKOFF, NJ—Continued

**HOURLY WATER-QUALITY-MONITOR VALUES
JULY 9, 2008 TO JULY 14, 2008**